#### **DEPARTMENT OF CHEMICAL ENGINEERING**

*Prof. Sanat Kumar, Chair*

### Teresa Colaizzo, Dept. Administrator

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## Advisor’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This form must be completed and signed by your advisor before you register **(*Please Print*)**

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CUID# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SEMESTER: \_\_\_\_\_\_\_\_\_\_ YEAR: \_\_\_\_\_\_\_\_\_ CITIZENSHIP: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**STUDENT ID NUMBER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CAMPUS ADDRESS : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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## **PHONE NUMBER: ( ) \_\_\_\_\_- \_\_\_\_\_\_\_\_\_\_**

**E-MAIL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DEGREE SOUGHT:** **BS** **MS** **SP** **PROF** **DES** **PhD YEAR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

## **COMBPLN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SCHOOL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**FINANCIAL AID:** **YES /** **NO**

**WORK STUDY QUALIFIED:** **YES /** **NO**

**APPROVED COURSE FOR:**  **FALL** **SPRING**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Course | **Number** | **Grade** | **Pts** |
| **1** |  |  |  |  |
| **2** |  |  |  |  |
| **3** |  |  |  |  |
| **4** |  |  |  |  |
| **5** |  |  |  |  |
| **6** |  |  |  |  |
| **7** |  |  |  |  |
| **8** |  |  |  |  |
| **9** |  |  |  |  |
| **10** |  |  |  |  |
| TOTAL |  |

## **ADVISOR’S SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_**

**DEPARTMENT APPROVAL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_**

08-15-11 CJD

**Look on reverse side for details and instructions**

**UNDERGRADUATES**

When preparing your program for registration, keep the following in mind:

**\* FULL TIME STATUS:**

Although SEAS requires only 12 points for full time status, the Department requires a minimum of 15 points per term.

**\* MAJOR REQUIREMENTS**

In both the 1st Year/Soph and Jr./Sr. programs, certain technical courses are required; these are defined for Chemical Engineers in the appropriate section of the current SEAS Bulletin. Make sure you have fulfilled prior major requirements for the term in question.

**\* NON-TECHNICAL ELECTIVE REQUIREMENTS**

You need 27 non-techs to graduate (see SEAS bulletin). Normally, 9-11 points are to be taken during the Jr.-Sr. program, i.e. you should have completed 16-18 points during the 1st Year/Soph program. Note that among the 16-18 points in the 1st Year/Soph program you ***must*** take certain courses (i.e. these 16-18 points are not totally free electives); the “must-do” courses are listed in the SEAS Bulletin section on non-technical requirements. In the Jr/Sr program, the 9-11 points of non-techs are almost free; the SEAS Bulletin defines what courses can and cannot serve as a non-techs (for further clarification see your advisor).

**\* TECHNICAL ELECTIVE REQUIREMENTS**

In both the 1st Year/Soph. and Jr./Sr. programs there are technical elective requirements, defined in the Chemical Engineering section of the SEAS Bulletin. The Jr/Sr program includes 15 points of tech electives. The following stipulations apply:

* the courses must normally be 3000 level or higher
* the courses must be science, math, or engineering oriented and feature quantitative analysis as the core of the syllabus
* the total of 15 points (5 courses) of required technical electives must include one engineering course outside of chemical engineering, two courses within chemical engineering (CHEN, CHEE, CHAP), and 9 pts. of “advanced natural science” courses (i.e. courses based primarily on the natural sciences (chemistry, physics or biology) as opposed to technologies, including courses in chemistry, physics, biology, materials science, and certain engineering courses). Note that one chemical engineering elective course must be an advanced natural science elective.
* The following sophomore level courses qualify as “advanced natural science” technical electives even though they are below 3000 level: PHYS C1403 (3), PHYS C2601 (3.5), BIOL C2005 (4), BIOL C2006 (4), BIOL W2501 (3).
* 3 pts of CHEN E3900 *Undergraduate Research* may be taken for a chemical engineering technical elective. Up to 6 pts. of CHEN E3900may be counted towards technical elective content provided an undergraduate thesis is prepared documenting the research.

The department recommends focusing electives in one technical area, for example, in Material Science, biology related science and technology (e.g. Biology, Biophysics, Biomedical Engineering), Environmental Engineering/Science or engineering management. Introductory and/or prerequisite courses in these areas are listed in the minor programs in the SEAS Bulletin.